

IN THE CLAIMS

The status of each claim in the present application is listed below.

Claims 1-20: (Canceled).

21. (New) A process for producing moldings by the molding of molding compositions comprising polymeric compounds, comprising:

applying to a molding tool a mold-release agent comprising microparticles with a size of from 0.02 to 100 μm , wherein the microparticles are selected from the group consisting of metal oxides, metal silicas and mixtures thereof, and have hydrophobic properties, followed by

molding a molding composition comprising one or more polymeric compounds in the molding tool, wherein the molding is carried out in which the extent to which at least 50% of the microparticles are impressed by the molding tool into a surface of the molding is not more than 90% of their diameter.

22. (New) The process of Claim 21, wherein the microparticles have an irregular nanostructure.

23. (New) The process of Claim 21, wherein the microparticles are nanostructured microparticles which have a fine structure with elevations with an aspect ratio greater than 1.

24. (New) The process of Claim 21, wherein the mold-release agent comprises the microparticles suspended in a liquid.

25. (New) The process of Claim 24, wherein the mold-release agent comprises the microparticles suspended in a liquid selected from the group consisting of alcohols, ketones, and ethers.

26. (New) The process of Claim 21, wherein the microparticles comprise a metal oxide.

27. (New) The process of Claim 21, wherein the microparticles comprise a metal silica.

28. (New) The process of Claim 21, wherein the mold-release agent is applied to the molding tool by spraying.

29. (New) The process of Claim 28, wherein the mold-release agent is applied to the molding tool by applying, to the molding tool, a suspension which comprises microparticles and a solvent, and then evaporating the solvent.

30. (New) The process of Claim 29, wherein the mold-release agent is applied to the molding tool by applying an aerosol which comprises microparticles and a propellant gas.

31. (New) The process of Claim 21, wherein the microparticles used, have an average particle diameter of from 0.02 to 100 μm .

32. (New) The process of Claim 21, wherein the polymer comprises a member selected from the group consisting of polycarbonates, poly(meth)acrylates, polyamides, polyvinyl chloride, polyethylenes, polypropylenes, aliphatic linear or branched polyalkenes, cyclic polyalkenes, polystyrenes, polyesters, polyether sulfones, polyacrylonitrile, polyalkylene terephthalates, poly(trifluoroethylene), poly(vinylidene fluoride), poly(chlorotrifluoroethylene), poly(hexafluoropropylene), poly(perfluoropropylene oxide), poly(fluoroalkyl acrylate), poly(fluoroalkyl methacrylate), poly(vinyl perfluoroalkyl ether), perfluoroalkoxy compounds, poly(isobutene), poly(4-methyl-1-pentene), polyoxymethylenes, ABS, polyisoprene, polychloroisoprene, synthetic or natural rubber, polynorbomene in the form of homo- or copolymer, and mixtures thereof.

33. (New) The process of Claim 21, wherein the molding process is injection molding, calendering, extrusion, sheet extrusion, thermo forming, or blow molding.

34. (New) The process of Claim 32, wherein the mold-release agent is applied to the inner surfaces of an injection mold, thermo forming mold, or blow mold during injection molding, thermo forming or blow molding, or to the surface of a molding roll during calendering, extrusion or sheet extrusion.